

CONTACT INFORMATION	Research Engineer at Samsung Electronics Currently researching in Vision-Language-Action models	Cell: +82-10-4782-9227 E-mail: junho@sudormrf.run Blog: sudormrf.run G / in / en / v
RESEARCH INTERESTS	Artificial intelligence / machine learning and their real-world application. Edge (on-device) AI, Embodied AI, Multimodal foundational models. Vision Language Action models, robot intelligence/manipulation.	
PROFESSIONAL EXPERIENCE	Samsung Electronics, Staff Researcher 2022 - Present Developing of robotics & autonomous driving algorithms. Developing robot arm manipulation algorithms based on Vision-Language-Action models. 2025 Developed LLM applications for vision, RAG, and tool-using agents to implement embodied AI. Deployed Llama-3-8B on AGX Orin for robotic control policies. 2024 Contributed to training & deploying autonomous machine algorithms on actual vehicle. Led the distributed model training using PyTorch/ MLflow , and deployed these models on SoCs (AGX Orin , Exynos Auto V920) utilizing ROS/C++. Demonstrated the ADAS system at Samsung S.LSI Tech Day and CES2024 . 2023 NAVER CLOVA, AI Research Intern , in Green Factory, Seongnam. August 2018 - November 2019	
EDUCATION	Seoul National University , Seoul, Korea. 2022 Ph.D. Department of Electrical and Computer Engineering. KAIST , Daejeon, Korea. 2015 B.S. Computer Science and B.S. Bio and Brain Engineering	
TECHNICAL SKILLS	Programming Languages: Python, C++, shell script, Tools: git, docker, Flask, FastAPI, ROS, neovim, tmux DL tools: PyTorch (ddp), ONNX, wandb, HF, OpenAI API , Exynos NN SDK Platforms & Environments: Jetson , Exynos , Linux, macOS, Windows	
PUBLICATIONS	Zitian Tang, Shijie Wang, Junho Cho , Jaewook Yoo, Chen Sun, “How Can Objects Help Video-Language Understanding?” <i>IEEE/CVF International Conference on Computer Vision (ICCV)</i> , 2025 . Junho Cho , Kyuewang Lee, Jin Young Choi, “Font Representation Learning via Paired-glyph Matching” , <i>The British Machine Vision Conference BMVC</i> , 2022 . Junho Cho , Sangdoo Yun, Dongyoon Han, Byeongho Heo and Jin Young Choi, “Detecting and Removing Text in the Wild” in <i>IEEE Access</i> , vol. 9, pp. 123313-123323, 2021, doi: 10.1109/ACCESS.2021.3110293, September, 2021 . Jiwoong Park*, Junho Cho* , Hyung Jin Chang, Jin Young Choi, “Unsupervised Hyperbolic Representation Learning via Message Passing Auto-Encoders” , <i>IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2021 . (* Equally contributed)	

	<p>Junho Cho, Sangdoo Yun, Kyoungmu Lee and Jin Young Choi, “PaletteNet: Image Recolorization with Given Color Palette” <i>The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops, NTIRE2017</i>, July, 2017.</p> <p>Junho Cho, Wanguer Jee, YoungBae Jeon, Sangdoo Yun and Jin Young Choi, “Finding Face-Lookalikes Using CNN” <i>Workshop on Image Processing and Image Understanding (IPIU)</i>, February, 2016.</p>
PATENTS (PUBLISHED APPLICATIONS)	<p>Junho Cho, Moonsub Byeon, Dongwook Lee, Dae Ung Jo, “Method and Apparatus with Object Detection for Autonomous Vehicle”, <i>US 2025/0131707 A1</i>, Lead inventor, published Apr. 24, 2025.</p>
COMMUNITY & SOCIETY	<p>Sudoremove YouTube podcast, co-host, We chat about AI, ML, and Robot.</p> <p>LeRobot Worldwide Hackathon, Seoul Host, June 14–15, 2025 Co-hosted Seoul local event with 40+ participants (global 3,000+ across 44 countries). Seoul teams ranked 8th, 9th and 25th of 250+ demos worldwide. Event coverage Youtube, my interview at 7:51</p> <p>13th Qualcomm IT Tour, official Qualcomm tour in San Diego, July 2015</p> <p>TEDxSNU, organizer, 2015–2016</p> <p>ICISTS-KAIST, organizer, 2010</p>
PROJECTS	<p>MetaMong, as researcher & developer. December 2015</p> <ul style="list-style-type: none"> • Successful exhibition at 2015 Google HackFair, Seoul, Korea, • MetaMong is Android application that retrieves face-lookalikes to the user’s selfie. • Managed massive amount of user’s selfie dataset, implemented user face recognition with Caffe and TensorFlow. Retrieves face-lookalikes from our selfie dataset. • Interviewed and introduced to official Google Developers Korea Blog.
LANGUAGES	<p>Korean & English: fluent Chinese : minor (lived in China 2.5 years)</p>
SCHOLARSHIP	<p>National Science and Technology Scholarship 2012 - 2014</p> <p>Samsung Electronics, Industrial Scholarship September 2021 - March 2022</p>
TEACHING	<p>SNU, <i>Teaching Assistant</i>, Probability and Random Process March 2017 - June 2017</p> <p>KAIST, <i>Teaching Assistant</i>, CS101 Introduction to Programming September 2013 - December 2014</p>